

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

- 1-19. (Canceled)
20. (Currently amended) A reflection light transfer module including:
- (a) an input mirror, positioned substantially coaxial with an area to be illuminated, for directing incoming light to illuminate the area; and
 - (b) an output mirror, positioned substantially coaxial with the area to be illuminated and in reflective alignment with the input mirror, for collecting, focusing, and directing emitted light away from the area to be illuminated, wherein the emitted light is emitted by the area upon illumination.
21. (Previously presented) The reflection light transfer module of claim 20, wherein the output mirror is a spherical mirror.
22. (Previously presented) The reflection light transfer module of claim 20, wherein the input and output mirrors are first-surface mirrors.
23. (New) The reflection light transfer module of claim 20, further comprising an input director for directing light received at an input port to the input mirror as the excitation light.
24. (New) The reflection light transfer module of claim 23, wherein the input director selects a location of the input port.
25. (New) The reflection light transfer module of claim 20, further comprising an output director for directing the emitted light collected by the output mirror to an output port.
26. (New) The reflection light transfer module of claim 23, wherein the output director selects a location of the output port.
27. (New) A reflection light transfer module comprising:
- an input mirror for directing an excitation light to a sample;
 - an output mirror, positioned on a common axis with the input mirror and collecting an emitted light from the sample, the emitted light being emitted by the sample in response to illumination of the sample, wherein the sample is positioned substantially coaxially with the output mirror and the output mirror directs the emitted light away from the sample.

28. (New) The reflection light transfer module of claim 27, wherein the sample is maintained in a selected well of a multi-well plate, each well of the multi-well plate being selectable by translating the multi-well plate in a plane substantially perpendicular to the directed excitation light.
29. (New) The reflection light transfer module of claim 27, wherein the sample is maintained on a glass slide, the sample being positioned to receive the excitation light by translating the slide in a plane substantially perpendicular to the directed excitation light.
30. (New) The reflection light transfer module of claim 29, wherein the reflection light transfer module cooperates with microscope optics.
31. (New) The reflection light transfer module of claim 30, wherein the sample comprises a region of intact biological cells.
32. (New) The reflection light transfer module of claim 23, wherein the sample is maintained on a culture plate, the sample being positioned to receive the excitation light by translating the culture plate in a plane substantially perpendicular to the directed excitation light.
33. (New) The reflection light transfer module of claim 20, and further comprising an input director for receiving the excitation light from a selected input port and for directing the excitation light to the input mirror.
34. (New) The reflection light transfer module of claim 33, wherein placement of the input director selects the input port.
35. (New) The reflection light transfer module of claim 27, and further comprising an output director for directing the emitted light collected by the output mirror to a selected output port.
36. (New) The reflection light transfer module of claim 35, wherein placement of the output director selects the output port.